



**Product:** <u>8477</u> ☑

Electronic, 2 C #12 Str TC, PVC Ins, PVC Jkt, CL3R

Request Sample

# **Product Description**

Electronic, 2 Conductor 12AWG (65x30) Tinned Copper, PVC Insulation, PVC Outer Jacket, CL3R

# **Technical Specifications**

## **Product Overview**

Suitable Applications: up to 600V analog signals; up to 600V digital control; line level audio; voice communications; panel wiring

## **Construction Details**

#### Conductor

| Element | No. of Elements | Size   | Stranding | Material           |
|---------|-----------------|--------|-----------|--------------------|
| Pair(s) | 1               | 12 AWG | 65x30     | TC - Tinned Copper |

### Insulation

| Element | Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code    |
|---------|--------------------------|--------------------|--------------------------|---------------|
| Pair(s) | PVC - Polyvinyl Chloride | 0.033 in (0.84 mm) | 0.158 in (4.01 mm)       | Black & White |

# Outer Jacket

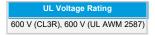
| Material   | Nom. Thickness     | Nom. Diameter      |
|--|--------------------|--------------------|
| PVC - Polyvinyl Chloride                             | 0.035 in (0.89 mm) | 0.386 in (9.80 mm) |
| Overall Cable Diameter (Nominal): 0.386 in (9.80 mm) |                    |                    |

# **Electrical Characteristics**

# Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current                  |
|---------|--------------------|-------------------------------|-------------------------------|
| Pair(s) | 1.78 Ohm/1000ft    | 35 pF/ft (110 pF/m)           | 30 Amps per Conductor at 30°C |

# Voltage



# **Mechanical Characteristics**

# Temperature

| <b>UL Temperature</b> | Operating      |
|-----------------------|----------------|
| 90°C                  | -20°C to +90°C |

### **Bend Radius**

| Stationary Min.    | Installation Min. |
|--------------------|-------------------|
| 3.9 in (99 mm)     | 3.9 in (99 mm)    |
| 0.0 (00 11111)     | 0.0 (0.0 111111)  |
| Max. Pull Tension: | ı:                |
| Bulk Cable Weight  | t:                |

## **Standards and Compliance**

| Environmental Suitability:       | Indoor  |
|----------------------------------|---|
| Sustainability:                  | CA Prop 65  |
| Flammability / Reaction to Fire: | UL 1666 Riser, IEC 60332-1-2  |
| CPR Compliance:                  | CPR Euroclass: Eca  |
| NEC / UL Compliance:             | Article 725, CL3R   |
| AWM Compliance:                  | AWM 2587  |
| European Directive Compliance:   | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| UK Regulation Compliance:        | UKCA Mark   |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)   |

#### **Product Notes**

| Notes: | See NEC Guidelines for applicable CL3 voltage ratings. |
|--------|--|

## History

| Update and Revision: | Revision Number: 0.515 Revision Date: 03-04-2023 |
|----------------------|--|

### **Part Numbers**

#### **Variants**

| Item #       | Color  | Putup Type | Length   | UPC          | Footnote |
|--------------|--------|------------|----------|--------------|----------|
| 8477 060500  | Chrome | Reel       | 500 ft   | 612825208662 | С        |
| 8477 060U500 | Chrome | UnReel     | 500 ft   | 612825208648 |          |
| 8477 0601000 | Chrome | Reel       | 1,000 ft | 612825208655 | С        |
| 8477 0605000 | Chrome | Reel       | 5,000 ft | 612825208679 | CZ       |

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